QC ABSTRACT

NAME OF WORK: Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Mezzanine Coloumn Concrete (M25)	Compressive Strength(7days and 28days)	1 set /1-5 cum	3.38	2	2
8	Mezzanine Staircase Concrete (M25)	Compressive Strength(7days and 28days)	1 set /1-5 cum	4.46	2	2

9	Mezzanine Roof Concrete (M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	35.04	6	6
10	FF Column Concrete (M25)	Compressive Strength(7days and 28days)	3 set /31-50 cum	31.22	6	6
11	FF Staircase Concrete (M25)	Compressive Strength(7days and 28days)	1 set /1-5 cum	4.43	2	2
12	FF Chejja Concrete (M20)	Compressive Strength(7days and 28days)	4 set /31-50cum	38.88	8	8
13	Tie Beam Concrete(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	23.77	6	6
14	FF Roof Concrete M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	25.02	6	6

CIVIL PRO
MATERIAL TESTING • STRUCTURAL • GEOTECH • RESEARCH
BANGALORE

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2020-02-07-24** **Date: 17-10-19**
Project Name	:	Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.
Agency	:	Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.
Customer's Reference	:	EE(Project)YNKZone/WO/114/2017-18
Date of Receipt	:	14-10-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	15-10-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.76	–
2	Finess by Air permeablity method (m^2/kg,Min)	292.1	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.0%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2020-02-07-24** **Date: 12-11-19**
Project Name	:	Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.
Agency	:	Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.
Customer's Reference	:	EE(Project)YNKZone/WO/114/2017-18
Date of Receipt	:	14-10-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	15-10-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

CIVIL Pro Sig. Date. BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-02-07-24** **Date: 17-10-19**
Project Name	:	Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.
Agency	:	Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.
Customer's Reference	:	EE(Project)YNKZone/WO/114/2017-18
Date of Receipt	:	14-10-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	14-10-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	245	245	1.6	98.4	90-100
3	20 mm	7875	8120	54.1	45.9	30-70
4	10 mm	3899	12019	80.1	19.9	10-35
5	4.75 mm	2588	14607	97.4	2.6	0-5
6	Pan	393	15000	100.0	0	---

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL PRO Sig. Date BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-02-07-24** **Date: 17-10-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	**12.4**	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	**11.9**	
3	Specific Gravity	**2.64**	–
4	Bulk Density(Loose) (Kg/l)	**1.38**	–
5	Bulk Density(Compacted) (Kg/l)	**1.45**	–
6	Water Absorption(%)	**0.22**	–

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-02-07-24** **Date: 16-10-19**
Project Name	:	Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.
Agency	:	Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.
Customer Reference	:	EE(Project)YNKZone/WO/114/2017-18
Date of Receipt	:	14-10-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	14-10-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	298	298	6.0	94.0	90-100
3	10 mm	2645	2943	58.9	41.1	25-55
4	4.75 mm	1811	4754	95.1	4.9	0-10
5	Pan	246	5000	100	0	–

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL PRO
Sig.....
Date.....
BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-02-07-24** **Date: 16-10-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	8.9	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.4	
3	Specific Gravity	2.62	_
4	Bulk Density(Loose) (Kg/l)	1.42	_
5	Bulk Density(Compacted) (Kg/l)	1.48	_
6	Water Absorption(%)	0.35	_
7	Aggregate crushing Value(%)	24.8	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	25.1	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL PRO Sig. Date BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2020-02-07-24** **Date: 16-10-19**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 14-10-19

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 14-10-19

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL PRO BANGALORE Sig. Date

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2020-02-07-24** **Date: 16-10-19**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Asst. Executive Engineer
Project Division
Vrishanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2020-02-07-24** **Date: 19-10-19**
Project Name	:	Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.
Agency	:	Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.
Customer's Reference	:	EE(Project)YNKZone/WO/114/2017-18
Date of Receipt	:	18-10-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	18-10-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	21.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.581	572	674	19.0%	Satisfactory	Satisfactory
5	Sunvik	Fe500	20	2.476	584	693	19.0%	Satisfactory	Satisfactory
6	Sunvik	Fe500	25	3.472	597	712	18.0%	Satisfactory	Satisfactory
7	Sunvik	Fe500	32	6.321	612	728	18.0%	Satisfactory	Satisfactory

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-02-07-24** **Date: 28/10/2019**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 23-10-19

Customer ID : Mezzanine Coloumn Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/10/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Coloumn Concrete	M25	21/10/2019	28/10/2019	149.27 X 151.21 X 149.42	22571	**8.527**	531.5	23.5	22.9
2	Mezzanine Coloumn Concrete	M25	21/10/2019	28/10/2019	151.93 X 151.38 X 151.59	22999	**8.104**	519.2	22.6	
3	Mezzanine Coloumn Concrete	M25	21/10/2019	28/10/2019	151.34 X 149.83 X 149.69	22675	**8.242**	511.7	22.6	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL PRO BANGALORE Sig. Date

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 18/11/2019

Lab ID : **CP-2020-02-07-24**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 23-10-19

Customer ID : Mezzanine Coloumn Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Coloumn Concrete	M25	21/10/2019	18/11/2019	150.17 X 151.38 X 149.77	22733	**8.885**	625.7	27.5	27.7
2	Mezzanine Coloumn Concrete	M25	21/10/2019	18/11/2019	150.09 X 149.36 X 150.36	22416	**8.679**	596.6	26.6	
3	Mezzanine Coloumn Concrete	M25	21/10/2019	18/11/2019	150.87 X 151.80 X 150.20	22902	**8.429**	660.9	28.9	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-02-07-24** **Date: 28/10/2019**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 23-10-19

Customer ID : Mezzanine Coloumn Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/10/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Coloumn Concrete	M25	21/10/2019	28/10/2019	151.91 X 149.91 X 151.22	22772	**8.527**	540.5	23.7	22.7
2	Mezzanine Coloumn Concrete	M25	21/10/2019	28/10/2019	149.00 X 151.27 X 150.44	22539	**8.104**	496.5	22.0	
3	Mezzanine Coloumn Concrete	M25	21/10/2019	28/10/2019	149.02 X 151.24 X 151.56	22539	**8.242**	505.5	22.4	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
*****End of Report*****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-02-07-24** **Date: 18/11/2019**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 23-10-19

Customer ID : Mezzanine Coloumn Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Coloumn Concrete	M25	21/10/2019	18/11/2019	149.38 X 151.81 X 149.59	22677	8.885	622.0	27.4	27.7
2	Mezzanine Coloumn Concrete	M25	21/10/2019	18/11/2019	150.35 X 150.52 X 149.55	22630	8.679	608.0	26.9	
3	Mezzanine Coloumn Concrete	M25	21/10/2019	18/11/2019	151.38 X 149.18 X 150.01	22582	8.429	652.7	28.9	

AE
Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-02-07-24** **Date: 07/11/2019**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 02-11-19

Customer ID : Mezzanine Staircase Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Staircase Concrete	M25	31/10/2019	07/11/2019	150.47 X 150.69 X 151.27	22673	**8.527**	539.5	23.8	22.8
2	Mezzanine Staircase Concrete	M25	31/10/2019	07/11/2019	150.22 X 152.00 X 149.60	22834	**8.104**	505.8	22.2	
3	Mezzanine Staircase Concrete	M25	31/10/2019	07/11/2019	150.97 X 151.13 X 151.57	22815	**8.242**	514.8	22.6	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-02-07-24** **Date: 28/11/2019**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 02-11-19

Customer ID : Mezzanine Staircase Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Staircase Concrete	M25	31/10/2019	28/11/2019	150.81 X 149.86 X 150.76	22601	**8.885**	622.2	27.5	27.6
2	Mezzanine Staircase Concrete	M25	31/10/2019	28/11/2019	151.65 X 149.20 X 150.29	22626	**8.679**	601.2	26.6	
3	Mezzanine Staircase Concrete	M25	31/10/2019	28/11/2019	149.18 X 149.01 X 151.47	22230	**8.429**	636.4	28.6	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-02-07-24** **Date: 07/11/2019**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 02-11-19

Customer ID : Mezzanine Staircase Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Staircase Concrete	M25	31/10/2019	07/11/2019	151.36 X 149.93 X 149.02	22693	**8.527**	532.3	23.5	22.9
2	Mezzanine Staircase Concrete	M25	31/10/2019	07/11/2019	149.67 X 149.95 X 150.35	22444	**8.104**	513.6	22.9	
3	Mezzanine Staircase Concrete	M25	31/10/2019	07/11/2019	151.71 X 151.76 X 151.74	23024	**8.242**	517.1	22.5	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/11/2019

Lab ID : **CP-2020-02-07-24**

Project Name : Construction of Indoor Stadium with all Amenities at Sahakarnagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division.

Agency : Sri.Abbu Samabasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Customer's Reference : EE(Project)YNKZone/WO/114/2017-18

Date of Receipt : 02-11-19

Customer ID : Mezzanine Staircase Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/11/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Mezzanine Staircase Concrete	M25	31/10/2019	28/11/2019	151.60 X 149.94 X 151.10	22732	**8.885**	628.9	27.7	27.4
2	Mezzanine Staircase Concrete	M25	31/10/2019	28/11/2019	151.65 X 150.54 X 149.78	22830	**8.679**	599.1	26.2	
3	Mezzanine Staircase Concrete	M25	31/10/2019	28/11/2019	149.82 X 149.12 X 149.51	22342	**8.429**	635.3	28.4	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

CIVIL Pro BANGALORE
Sig.....
Date.....

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****